

# Knowledge and perceptions

Young people

**72%** think engineering is a career that allows people to be creative



**36%** say they know a fair amount about what engineers do



**32%** say they know a fair amount about what those working in tech do



**35%** of young people are interested in a career that will help reduce the impact of climate change



**64%** of young people are interested in climate change issues



**46%** interested in an engineering career



**38%** interested in a tech career



**25%** think engineering fits well with who they are



**12%** of girls say being an engineer fits well with who they are compared with 38% of boys



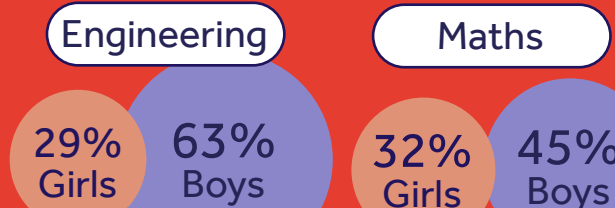
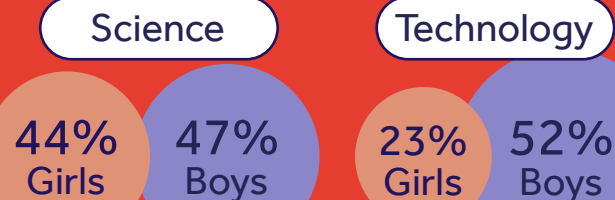
**30%** think engineering is suitable for them



**16%** of girls think engineering is suitable for them compared with 44% boys



Interest in STEM careers



**36%** of girls say science is not for them



Engineering and technology jobs offer a wide range of opportunities to young people. More can be done to improve knowledge and perceptions of these careers amongst both teachers and students.

Young people interested in an engineering career prefer a technical or vocational route (36%) compared to a university route (28%)



More interested in a university route  
**38%** Girls | **44%** Asian students

More interested in a technical or vocational route  
**40%** Boys | **40%** white students

Teachers are equally likely to recommend an apprenticeship or university route (36%), another technical/vocational route (4%)

**53%** feel confident advising their students of vocational and technical pathways into engineering

**85%** of STEM teachers recommend a career in engineering

**92%** said engineering is important or very important in the UK achieving net zero by 2050



**69%** of students said they were more interested in becoming an engineer after the Energy Quest workshop



**84%** of The Big Bang Fair attendees said they knew more about what engineers do after The Fair. **86%** wanted to find out more about STEM jobs. **84%** were more interested in a job in STEM.

**82%** of teachers delivering Big Bang at School said it made them more confident to speak to students about STEM careers



**88%** said it motivated them to suggest STEM careers to students

